



<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;">  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">022304</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">U.S. PTO</p> </div> <div style="width: 55%; text-align: center;"> <h2 style="margin: 0;">UTILITY PATENT APPLICATION TRANSMITTAL</h2> <h3 style="margin: 0;">(Large Entity)</h3> <p style="margin: 0;"><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i></p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> TO THE COMMISSIONER FOR PATENTS Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450 </div> <div style="margin-top: 10px;"> Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled: </div> <div style="border: 1px solid black; padding: 10px; margin-top: 5px;"> METHOD FOR MANUFACTURING A SEMICONDUCTOR DEVICE </div> <div style="margin-top: 10px;"> and invented by: </div> <div style="border: 1px solid black; padding: 10px; margin-top: 5px;"> LEE, Ju-Bum </div> <div style="margin-top: 10px;"> If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ Which is a: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ Which is a: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ </div> <div style="margin-top: 10px;"> Enclosed are: </div> <div style="text-align: center; margin-top: 10px;"> Application Elements </div> <div style="margin-top: 10px;"> 1. <input checked="" type="checkbox"/> Filing fee as calculated and transmitted as described below 2. <input checked="" type="checkbox"/> Specification having <u>29</u> pages and including the following: <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Descriptive Title of the Invention b. <input type="checkbox"/> Cross References to Related Applications <i>(if applicable)</i> c. <input type="checkbox"/> Statement Regarding Federally-sponsored Research/Development <i>(if applicable)</i> d. <input type="checkbox"/> Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix e. <input checked="" type="checkbox"/> Background of the Invention f. <input checked="" type="checkbox"/> Brief Summary of the Invention g. <input checked="" type="checkbox"/> Brief Description of the Drawings <i>(if filed)</i> h. <input checked="" type="checkbox"/> Detailed Description i. <input checked="" type="checkbox"/> Claim(s) as Classified Below j. <input checked="" type="checkbox"/> Abstract of the Disclosure </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Docket No. SEC.1081 </div> <div style="border: 1px solid black; padding: 5px;"> Total Pages in this Submission 4 </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); position: absolute; right: 0; top: 50%; font-weight: bold;"> 22856 U.S. PTO 10/782783 </div> <div style="text-align: center; margin-top: 10px;">  <p style="writing-mode: vertical-rl; transform: rotate(180deg);">022304</p> </div>
---	---

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
SEC.1081

Total Pages in this Submission
4

Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal Number of Sheets 17
- b. ☐ Informal Number of Sheets _____
4. ☒ Oath or Declaration
- a. ☒ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Certificate of Mailing
- ☐ First Class ☐ Express Mail (Specify Label No.): _____

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
SEC.1081

Total Pages in this Submission
4

Accompanying Application Parts (Continued)

17. ☐ Additional Enclosures (*please identify below*):

[illegible]

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

1920
022304
U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
SEC.1081


Total Pages in this Submission
4

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	13	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$86.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$770.00
OTHER FEE (specify purpose) ASSIGNMENT RECORDAL FEE					\$40.00
TOTAL FILING FEE					\$810.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0238 as described below.
- ☒ Charge the amount of \$810.00 as filing fee.
 - ☒ Credit any overpayment.
 - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

 REG. 39,843 for
Signature

ADAM C. VOLENTINE
REG. NO. 33289

VOLENTINE FRANCOS, PLLC
12200 SUNRISE VALLEY DRIVE, SUITE 150
RESTON VA 20191

TEL. NO. (703) 715-0870

Dated: FEB. 23, 2004

cc: